First refer to TSB # 14 and TSB # 15!

1 Instructions for Converting Incubator 8000 IC/SC/NC with Skin-Temperature Control to Thermomonitoring

1.1 General

These conversion instructions apply to incubators as of serial number ARKA 0001 (January 1996) containing skin-temperature sensor connections mounted on the left-hand side of the housing (yellow connection port).

The conversion kit "Thermomonitoring cable harness", item number 2M21733, is required to convert Incubator IC/SC/NC 8000 to "Thermomonitoring". This conversion kit contains more parts than needed for the conversion to "Thermomonitoring".

> The conversion instructions from the 2M21733 conversion kit are intended for retrofitting the skin-temperature control and thermomonitoring in the Incubator 8000. Use only the "Instructions for Converting Incubator 8000 IC/SC/NC with Skin-Temperature Control to Thermomonitoring".

The following parts are required for "Thermomonitoring cable harness" conversion:

Cable harness sensor connection, white	2M21944
Label	2M21767
4 cable ties	8712007
Cable	2M21770
Screw	1331930

eUThermo.fm 06.08.97
For internal use only. Copyright reserved.

9004987

E4

1.2 Conversion Procedure

Electrostatic discharge can damage electrostatic sensitive devices. Use a static-dissipative mat and a wrist strap when handling electrostatic sensitive devices.

- Set the optional height adjustment of Incubator 8000 IC/SC/NC to the highest position.
- Disconnect Incubator 8000 IC/SC/NC power plug from the mains socket-outlet and the O_2 connection from the CS connector.
- Hold Incubator 8000 IC/SC/NC cover plate and loosen the fixing screws 1 which secure it to Incubator 8000 IC/SC/NC.

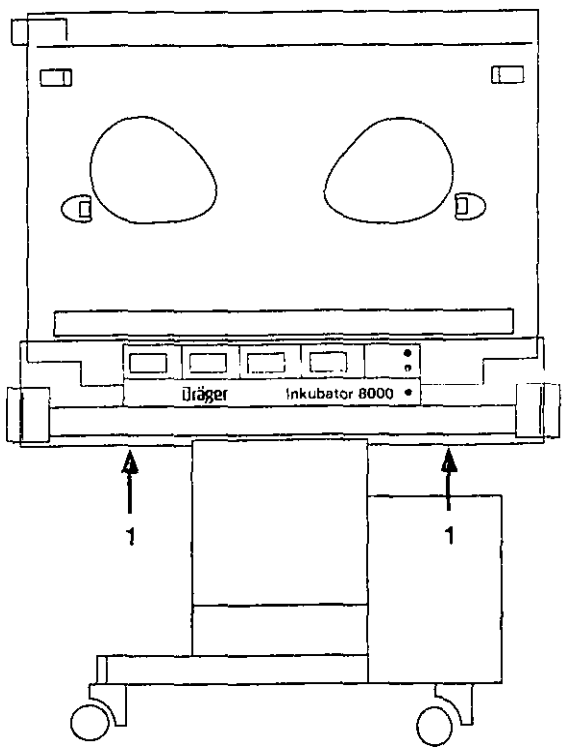

Fig. 1: Front view of Incubator 8000 IC/SC/NC, loosening the fixing screws

eUThermo.fm 06.08.97
For internal use only. Copyright reserved.

9004987

ES

- Release the lockings 2 of the electronics plug-in unit.

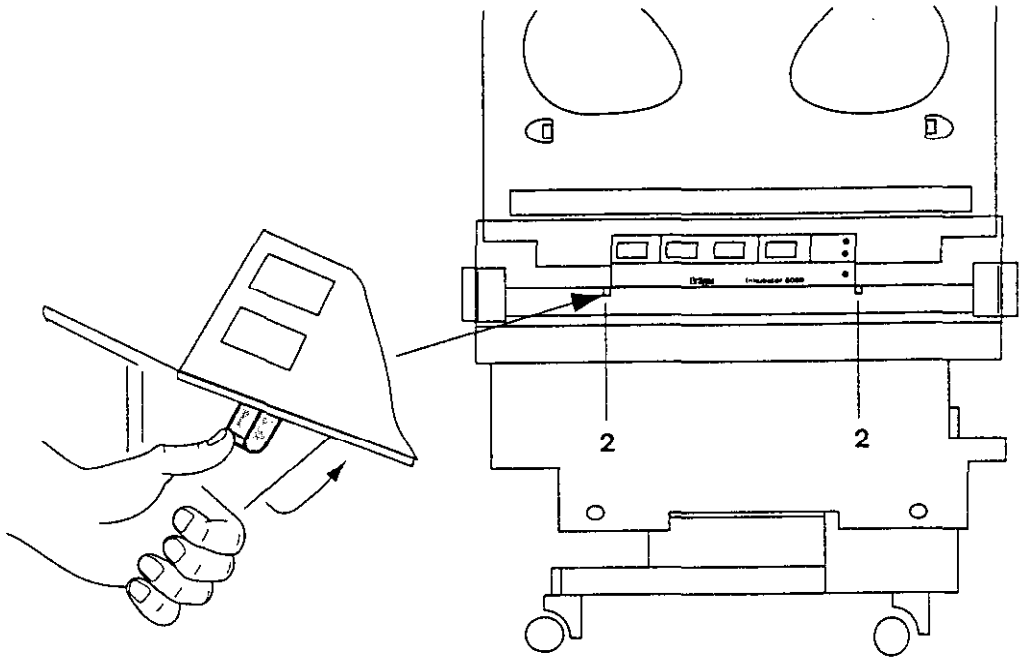

Fig. 2: Front view of Incubator 8000 IC/SC/NC, releasing the lockings

- Fold down the electronics plug-in unit.
- Remove all plug-and-socket connectors from the electronics plug-in unit.
- Disengage the electronics plug-in unit and place it on the static-dissipative mat.
- Carefully cut the cable ties 3 and discard them.

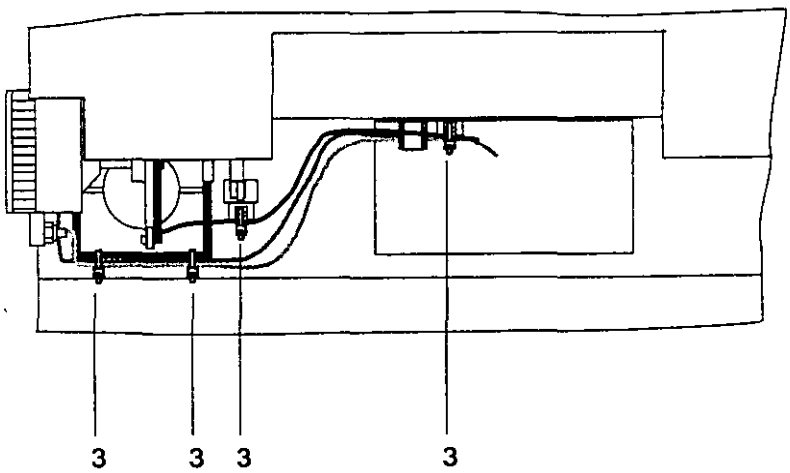

Fig. 3: Front view of the incubator, removing the cable ties

eUThermo.fm 06.08.97
For internal use only. Copyright reserved.

90 04 987

E6

- Remove the old label (skin-temperature control) attached to the left-hand side of the incubator.
- Remove of the fixing plate screw 4.

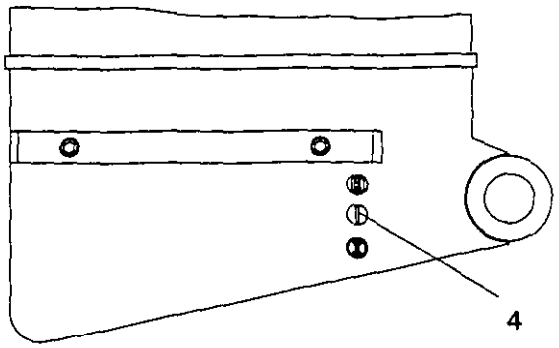

Fig. 4: Left side view of the incubator, removing the screw

- Screw the white cable-harness sensor-connection (2M21944) 5 from the conversion kit into the fixing plate. (Make sure that the connection pins of the cable-harness sensor-connection are arranged vertically. The end of the sensor-connection-socket thread must be flush with the outer edge of the incubator housing.)

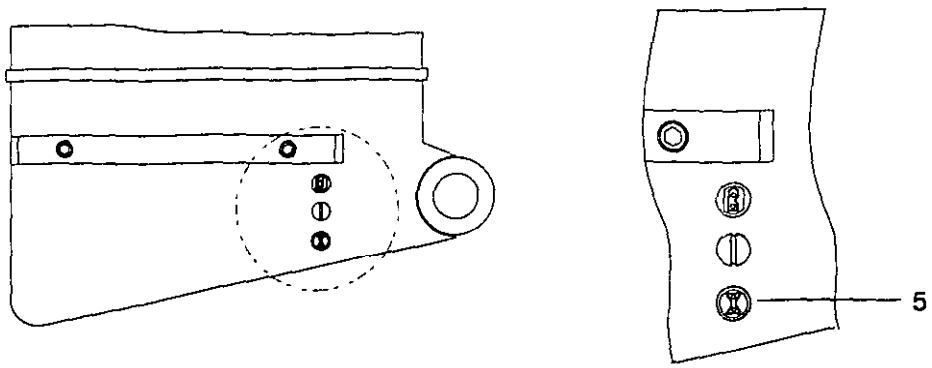

Fig. 5: Left side view of the incubator, mounting the sensor-connection-socket

- Secure the fixing plate with screw 4 (see Fig. 4: "Left side view of the incubator, removing the screw").
- Push the foot sensor's white sensor connector onto the cable-harness sensor-connection from the outside.
- Check to see that the white sensor connection cable is fixed securely to the cable-harness sensor-connection.
- Attach label (2M21767) from the conversion kit to the left-hand side of the incubator such that the gaps for the sensor connections are aligned one above the other.

eUThermo.fm 06.08.97
For internal use only. Copyright reserved.

9004987

E7

- Secure the sensor connection socket to the fixing plate using screw (1331930) 6 from the conversion kit.

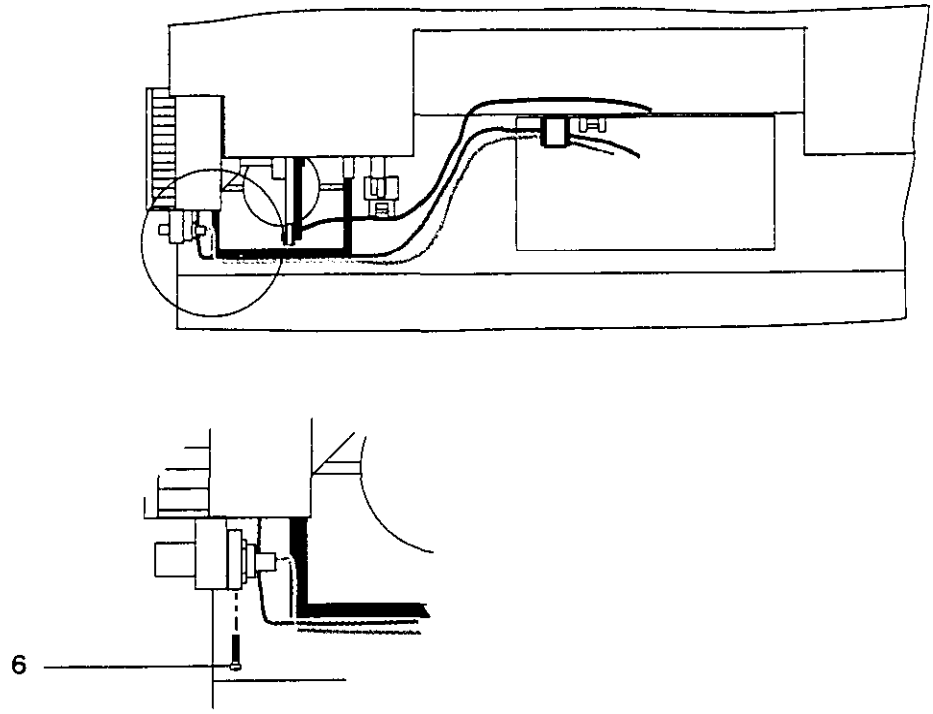

Fig. 6: Front view of the incubator, securing the sensor connection

- Thread the cable-harness sensor-connection through ferrite 7.

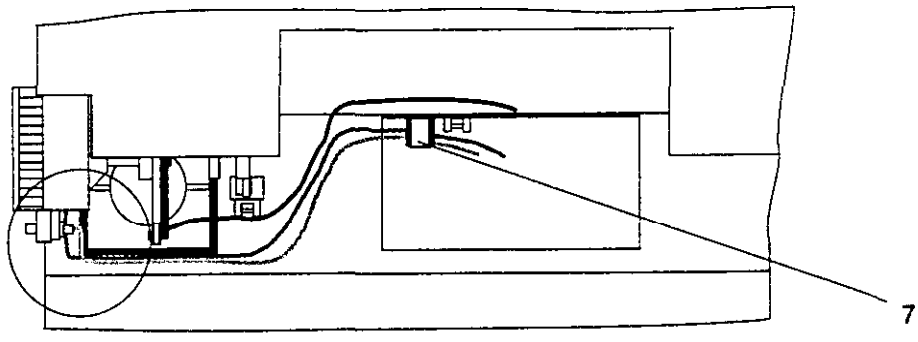

Fig. 7: Frontviewoftheincubator,threadingcable-harnesssensor-connectionthroughthe ferrite

eUThermo.fm 06.08.97
For internal use only. Copyright reserved.

9004987

- Plug the pins of the white cable-harness sensor-connection (2M21770) 8 into the cable connector of the sensor connections (pay attention to the fitting position of the crimped pins which allows for locking in the cable connector)
- Plug the pins of cable (2M21770) 9 into the cable connector.

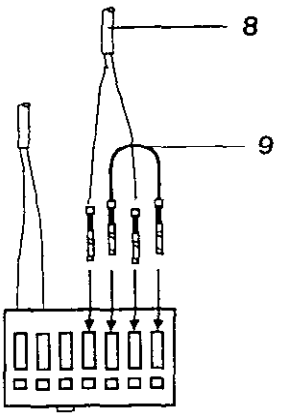

Fig. 8: View of the sensor connections cable-connector, mounting the cable pins

- Secure the cable harness using the cable ties (8712007) 10.

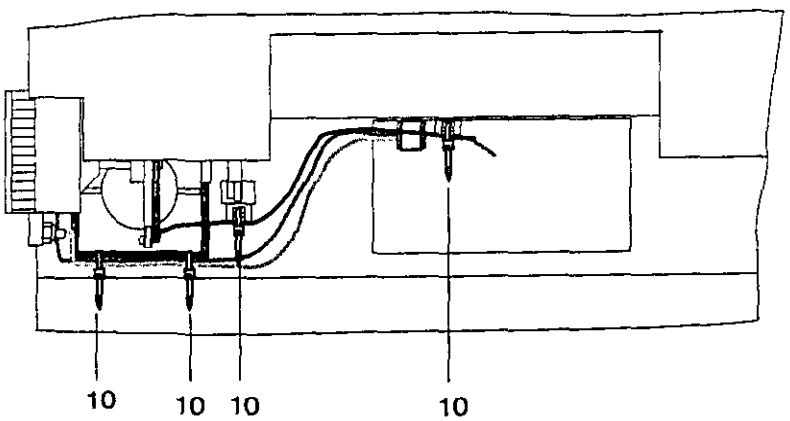

Fig. 9: View of the incubator, securing cable harness with cable ties

- Cut off the protruding ends of the cable ties.

eUThermo.fm 06.08.97
For internal use only. Copyright reserved.

9004987

E9

- *Pull out strip 11 from the electronics* plug-in unit, turn it around and re-insert it.

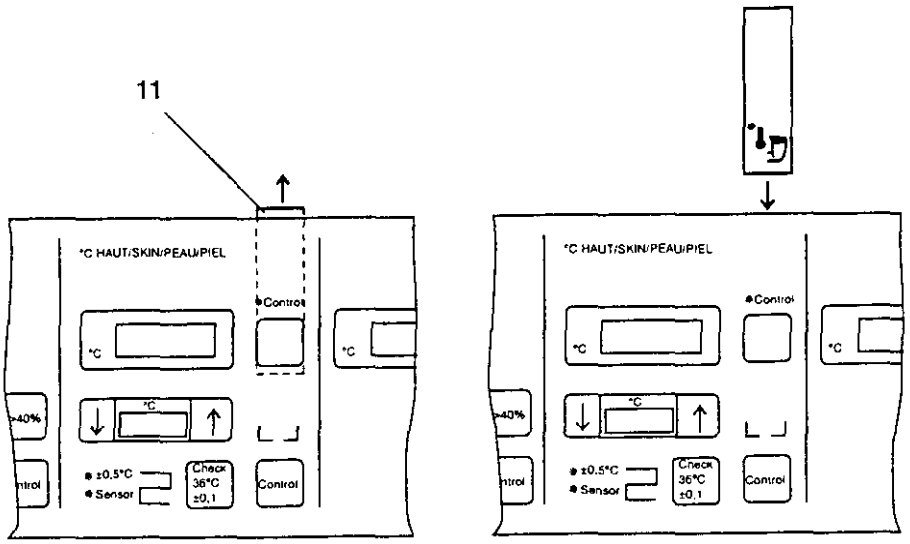

Fig. 10: View of the electronics plug-in unit, turning the strip around

- Replace the electronics plug-in unit into Incubator 8000 IC/SC/NC.
- Plug in all plug-and-socket connectors into the electronics plug-in unit.
- Lock the electronics plug-in unit in the housing of Incubator 8000 IC/SC/NC.
- Secure the cover plate to Incubator 8000 IC/SC/NC.
- Check Incubator 8000 IC/SC/NC according to Test Certificate.

Note: Please refer to TSB # 15!

eUThermo.fm 06.08.97
For internal use only. Copyright reserved.

90 04 987

E/o